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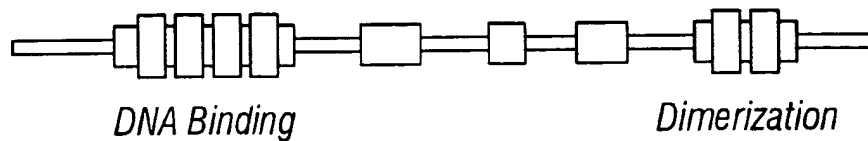


FIG. 1A

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1                                     50
DAED ----- MESLFCE SSGDSSLEKE FLGAPVGPSV STPNSQHSSP
HEL ---MHCTLTM ETDAIDGYIT CDNELSPEGE HANMAIDLTS STPNGQQASP
AIO -MEDIQPTVE LKSTEEQPLP TESPALNDY SLPKPHEIEN VDSREAPANE
IK  MDVDEGQDMS QVSGKESPPV SDTPDE.GDE PMPVPEDLST TSGAQQNSKS
51                                     100
DAED SRSLSANSIK VEMYSDEESS RL.LGPDRL LDKDDSVIVE DSLSEPLGYC
HEL  SHMTSTNSVK LEMQSDEECD RQPLSREDEI RGHDEGSSLE EALIESSEVA
AIO  DEDAGEDSMK VKDEYSRDE N..IMKPEPM GDAEESEM.P YSYAREYSYD
IK   DRGMA.SNVK VETQSDEENG R..ACEMNGE ECAEDLRMLD ASGEKMNGSH
101                                     150
DAED DGSGPEP.HS PGGIRLPNGK LKCDVCGMVC IGPVLMVHK RSHTGERPFH
HEL  DNRKVQDLQG ERGIRLPNGK LKCDVCGMVC IGPVLMVHK RSHTGERPFH
AIO  ESIKLERHVP YDNSRPTSGK MNCDVCGLSC ISFNVLVHK RSHTGERPFQ
IK   RDQGSSALSG VGGIRLPNGK LKCDICGIVC IGPVLMVHK RSHTGERPFQ
151                                     200
DAED CNQCGASFTQ KGNLLRHIKL HSGEKPFKCP FCNYACRRRD ALTGHLRTHS
HEL  CNQCGRSFTQ KGNLLRHIKL HSGEKPFKCP FCSYACRRRD ALTGHLRTHS
AIO  CNQCGASFTQ KGNLLRHIKL HTGEKPFKCH LCNYACQRRD ALTGHLRTHS
IK   CNQCGASFTQ KGNLLRHIKL HSGEKPFKCH LCNYACRRRD ALTGHLRTHS
151                                     200
201                                     250
DAED VSSPTVGKPY KCNYCGRSYK QSTLEEHKE RCHNYLQSLT TDA..QALTG
HEL  ....VGKPH KCNYCGRSYK QRTSLEEHKE RCHNYLQNVS MEAAGQVMSh
AIO  ....VEKPY KCEFCGRSYK QRSSLEEHKE RCRAFLQNPd LGDAASV...
IK   ....VGKPH KCGYCGRSYK QRSSLEEHKE RCHNYLESMG LPGVCPVIKE
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FIG. 1B-1

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251 300
DAED Q..PGDEIRD LEMVPDMLH .PSTERPTFI DRLANSLTKR KRSTPQKFVG
HEL HVPPEMEDCKE QEPIMDNNIS LVAFERPAVI EKLTANMGKR KSSTPQKFVG
AIO EARHIK.... .AEM..... ..GSEALVL DRLASNVAKR KSSMPQKFIG
IK ETNHNEMAED LCKI..... ..GAERSLV DRLASNVAKR KSSMPQKFLG
301 350
DAED EKQMRFSLSLSD LPYDVNASGG YEKDELVAH HGLEPGFGGS LAFVGTEHLR
HEL EKLMRFSYPD IHFHMNLT.. YEKEAELMQS HMMDQAINNA ITYLGAEALH
AIO EKRHCDF... ..ANYNPGYM YEKENEMMQT RMMDQAINNA ISYLGAEAFR
IK DK..CLS... ..DMPYDSAN YEKE.DMMTS HVMDQAINNA INYLGAECLR
351 400
DAED PLRLPPTNCI SELTPVISSV YTMQPIPSR LELPGSREAG EGPEDLDGGG
HEL PLMQHAPSTI AEVAPVISSA YSQVYH.PNR IERPISRETS DSHENMDGP
AIO PLVQTPPAPT SEMVPVISSV YPIALTRAD.MP.... MGAPQEMEKK
IK PLVQTPPG.S SEVVPVISSM YQLHKPPSD.GPPRSN HSAQDAVDNL
401 450
DAED PLYRARGSL TDPGASPSNG CQDSTDTESN HEDRIGGVVS LPQGPPPPPP
HEL ISLIRPKSRP QEREASPSNS CLDSTDSESS HDDR.....Q SYQGNPALNP
AIO RILLPEKILP SERGLSPNNS AQDSTDTESN HEDR.QHLYQ QSHVVLPP..
IK LLLSKAKSVS SEREASPSNS CQDSTDTESN AEEQRSGLIY LTNHINPH..
451 500
DAED PTIVVGRHSP AYAKEDPKPQ EGLLRGTPGP SKEVLRVVG SGEVPKAFKC
HEL KR....KQSP AYMKEDVKAL DA.TKAPKS LKDIYKVFNG EGEQIRAFKC
AIOARNGM PLLKEVPRSF E.LLKPPPIC LRDSIKVINK EGEVMDVFRK
IKARNGL .ALKEEQRAY E.VLRAASEN SQDAFRVVST SGEQLKYYKC
501 550
DAED EHCRIFLDH VMFTIHMGC GFRDPFECNI CGYHSQDRYE FSSHIVRGEH
HEL EHCRLFLDH VMYTIHMGC GYRDPLECN CGYRSQDRYE FSSHIVGGQH
AIO DHCHVLFLDY VMFTIHMGC GFRDPFECNM CGYRSHDRYE FSSHIRGEH
IK EHCRLFLDH VMYTIHMGC GFRDPFECNM CGYHSQDRYE FSSHITRGEH
551
DAED KVGSCRI
HEL TFH--
AIO RAMLK--
IK RYHLS--

FIG. 1B-2

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1 50
MDAED ----- --MESLFCES SGDSSLEKEF LGAPVGPSVS
XDAED MSGSTFPTVV GHKLESIFYS STVAALDRPK AGDSSLEKDF SDALIGPTVS
51 100
MDAED TPNSQHSSPS RSLANSIKV EMYSDEESSR LLGPDERLLD KDDSVIVEDS
XDAED TPNSRHSSPS RSRANSIKV EMYGDDESGR LLSHEDRLSE KEDEIMGDDS
101 150
MDAED LSEPLGYCDG SGPEPHSPGG IRLPNGKLC DVCGMVCIGP NVLMVHKRSH
XDAED LVEPLGYCDG PGQDPHSP.G ILLPNGKLC DICGMVCIGP NVLMVHKRSH
151 200
MDAED TGERPFHCNQ CGASFTQKGN LLRHIKLSHG EKPFKCPFCN YACRRRDALT
XDAED TGERPFHCNQ CGAPFTQKGN LLRHIKLSHG EKPFKCPFCN YACRRRDALS
201 250
MDAED GHLRTHSVSS PTVGKPYKCN YCGRSYKQOS TLEEHKERCH NYLQSLSTDA
XDAED GHLRTHA... ..VGKPYKCN YCGRSYKQON TLEEHKERCH NYLQSLSNEA
251 300
MDAED QALTGQPGDE IRDLEMVPDS MLHPSTERPT FIDRLANSLT KKRSTPQKF
XDAED QHLPAPHG..EWGPQGGNCIC TR...
301 350
MDAED VGEKQMRFSL SDLPYDVNAS GGYEKDVELV AHHGLEPGFG GSLAFVGTEH
XDAED ..EKQMRLSL ADLPYEMNSS ..FEKDVEIV SHHPLDTAYG NSLAFVG...
351 400
MDAED LPL.RLPPTN CISELTPVIS SVYTQMQUIP SRLELPGSRE AGEKPEDLGD
XDAED .GPMRLPTN CISEITPVIS SVYTQLQPMQ GRPDMPGNRE AAEGHEDIPD
401 450
MDAED GGPLYRARG SLTDPGASPS NGCQDS.TDT ESNHEDRIGG VVSLPQGPPP
XDAED GTQIHYRGR. ..SEHGASPT NGCQDSNTDT ESNHEERGSQ ATS.....
451 500
MDAED QPPPTIVVGR HSPAYAKEDP KPQEGLL... .RGTPGPSKE VLRVVGESGE
XDAEDSR QSSAYAKEDQ RPSDGGLLLP SRSMPGTAKS SLRVLGEDGV
501 550
MDAED PVKAFKCEHC RILFLDHVMF TIHMGCHGFR DPFE CNICGY HSQDRYEFSS
XDAED QVKVFKCEHC RVLFLDHVMF TIHMGCHGFR DPFE CNICGY HCQDRYEFSS
551
MDAED HIVRGEHKVG SCRI
XDAED HIVRGEHKV- ----

FIG. 1C

FIG. 2A



FIG. 2B

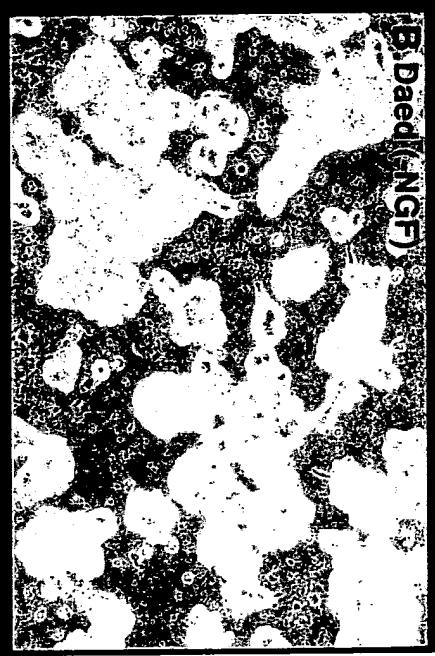


FIG. 2C

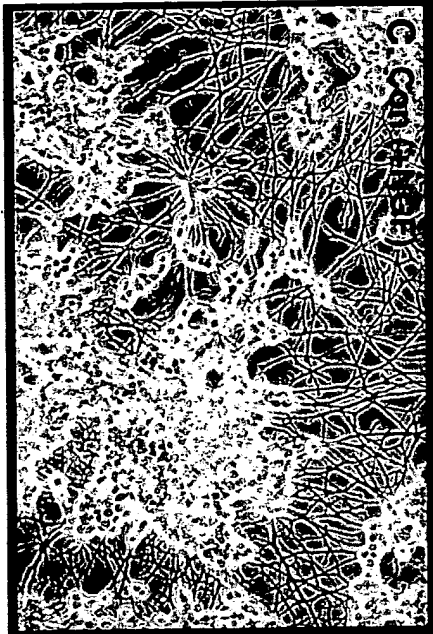


FIG. 2D

